

TRANSURETHRAL NEEDLE ABLATION SYSTEM WITH NEEDLE POSITION INDICATOR

ABSTRACT

In general, the invention provides a transurethral ablation device for indicating whether the ablation needle or needles are deployed or retracted during transurethral prostate treatment. The device includes a needle position sensor and a needle position indicator. The needle position sensor can directly or indirectly determine the position of the needle. The needle position indicator can be located at the distal end of the catheter from which the needle is extended, or within the handle. The needle position indicator can be located on the handle, on the ablation energy generator or on an associated user interface. The needle position indicators can be audible indicators such as audible advisories, warnings, or alarms, or visual indicators such as lights, colored lights, flashing lights, graphical images or text messages.